South Dakota Cost List - 2004 Program Year

The 2004 South Dakota Cost List will be used for all conservation programs administered by the Natural Resources Conservation Service (NRCS). Programs include:

Environmental Quality Incentives Program (**EQIP**)

Wildlife Habitat Incentives Program (**WHIP**)

Wetlands Reserve Program (**WRP**)

Emergency Watershed Program (**EWP**)

PL-566 Watershed Project (**PL-566**)

Great Plains Conservation Program (**GPCP**)

Water Bank Program (**WBP**)

Interim EQIP

Programs such as the Conservation Reserve Program (CRP) or Emergency Conservation Program (ECP) have separate cost lists. See appropriate program documentation for more information.

Methods and policy on cost-sharing, development of average cost data, and procedures for establishing cost-share rates are discussed in General Manual (GM), Subpart D, 404.31, and 404.32. Methods of cost-share in this cost list include:

AM - Actual cost not to exceed a specified maximum cost

AA - Actual cost not to exceed average cost

AC - Average Cost

Cost-share payments are determined by multiplying the listed cost by the allowable program cost-share rate (except for AM which use the lesser of actual cost or specified maximum cost). However, several practices have additional factors which need to be taken into consideration:

Waste Management System:

- Only the components of the overall waste management system required for the proper collection, storage, transport, treatment, and utilization of the waste materials will be eligible for cost-share. These will include practices needed for the diversion of clean water around the system, manure settling basins, waste storage facilities, fencing for the protection of these settling and storage facilities, and permanently installed equipment or facilities needed to transport manure to holding ponds or other storage facilities.

- When a feedlot is being moved to an entirely new location to promote water quality improvement, cost-share will be limited to the waste management system structures and components. However, exceptions may be considered on a case-by-case basis with concurrence of the NRCS engineer and local district conservationist with prior approval of the state conservation engineer. Examples include; perimeter fencing around the entire facility, components to deliver water up to (but not including) livestock watering facilities, shelterbelt establishment, and temporary wind shelters for livestock protection until shelterbelts are permanently established. NOTE: When relocating a facility, the producer must agree to completely abandon all livestock feedlot type activities at the existing facility.

Fencing:

Fences **NOT ELIGIBLE** for cost-share:

- To keep livestock within the boundaries of a prescribed grazing system(s), range unit, allotment, grazing area, Tribal grazing unit, etc.
- Along federal, state, county, Tribal, and township roads.
- To separate cropland from rangeland or pastureland.
- Feedlot perimeter fencing. Exceptions will be considered on a case-by-case basis ONLY when a feedlot is being moved to an entirely new location to promote water quality improvement.

Fences **ELIGIBLE** for cost-share:

- Control the movement of cattle within a prescribed grazing system, range unit, allotment, grazing area, Tribal grazing unit, etc., (cross fences) regardless of ownership.
- Protect other conservation practices (trees, seedings, ponds, etc.,) from livestock grazing regardless of ownership provided that the livestock being excluded are from the unit under contract, and fences are not along a road as defined above.
- Lanes required to rotate cattle between pastures within a prescribed grazing system provided they are not adjacent to a road as defined above and are inside the boundary of the grazing system, range unit, allotment, grazing area, Tribal grazing unit, etc.
- To protect holding ponds, debris basins, or other required structures of an animal waste management system.
- To protect culturally or socially sensitive areas from livestock use.

Pumping Plant:

- Includes applicable costs associated with pump, power unit, pressure tank, appurtenances, and well pit. Power units may include solar panels or electric generators. The cost of installing electric or gas lines to operate the facility is not eligible for cost-share. One time cost-share, all maintenance, and replacement costs are the responsibility of producer.

Wells - Deep Aquifer:

- Must have prior written approval by the state conservation engineer before the practice is eligible for cost-share.

  In western and central South Dakota, four aquifers located at shallower depths have been identified that will meet water quality criteria for livestock. These include: Oglala Formation, Arikaree Formation, Fox Hills Formation, and the Inyan Kara/Lakota Formation. These aquifers usually occur at depths less than 2,000 feet. It is recognized that these shallow aquifers do not always exist locally. Wells in these formations, at depths of less than 2,000 feet, do not require prior approval.

  The intent of this component is to use the first aquifer reached that provides an adequate source of water quantity and quality for livestock. If producers wish to establish the well in a deeper aquifer, the added depth will be at their own expense.

  Wells installed in an aquifer at depths greater than 2,000 feet requires the following information:

  1. Documentation that other alternatives have been discussed with the producer. The intent is to consider the cost of drilling a well versus the cost of rural water, dams, etc. Documentation can be in the form of photocopied technical assistance notes.

  2. Documentation in the form of drill logs that indicate the absence of shallower aquifer sources in this area. This information is available from well drillers, South Dakota Geological Survey, U.S. Geological Survey, and the South Dakota School of Mines and Technology.

Also included as an attachment to the 2003 South Dakota Cost List is a Conservation Practice Suggested Life Span and Operation and Maintenance (O&M) Table. Practice life spans and O&M estimated costs are needed to determine the average annual cost of installing conservation practices. More information on the economics of conservation, the use of Interest and annuity tables and amortization is located at the South Dakota NRCS home page at: **www.sd.nrcs.usda.gov/General_Info/tech_resources**.

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE [1]
Bioengineering			
Brush box - trench pack	L.F.	$5.00	AM
Brush matting	SQ.FT.	$1.35	AM
Willow planting - locally harvested	EA.	$0.20	AM
Willow planting - nursery stock	EA.	$0.30	AM
Brush Management			
Chemical brush management	AC.	$10.00	AM
Concrete			
Reinforced concrete flatwork	CU.YD.	$150.00	AM
Reinforced concrete formed 1 side	CU.YD.	$390.00	AM
Reinforced concrete formed 2 sides	CU.YD.	$600.00	AM
Steel fabrication for reinforcement	LB.	$1.00	AM
Fiberglass reinforcement	CU.YD.	$200.00	AM
Unreinforced concrete	CU.YD.	$150.00	AM
Critical Area			
Light shaping < 4 feet deep	AC.	$500.00	AM
Medium shaping > 4 feet deep	AC.	$1,000.00	AM
Earthwork			
Earthmoving w/dragline	CU.YD.	$1.50	AM
Excavation	CU.YD.	$1.10	AM
Class A Standard Equip.	CU.YD.	$2.08	AM
Class S Standard Equip.	CU.YD.	$1.30	AM
Class S Standard Equip.	EA.	$1,000.00	AM

Construction Specifications:
Excavation *- includes only the removal and transport of earth fill from the construction site.*
Class A *- includes the excavation and fill with compaction measured by a standard compaction test.*
Class S *- includes excavation and fill with compaction controlled by specifying a construction method.*
NOTE: *Only one of the above may be cost-shared per practice. Exceptions: Waste Storage Lagoon, Waste Storage Facility, core trench for ponds, etc., where earth fill is excavated, disposed of or temporarily stored, and replaced with suitable material with compaction requirements.*

Offsite borrow for clay liner	CU.YD.	$5.00	AM
Top dressing	SQ.YD.	$0.45	AM
Testing (proctor, moisture, density, etc.)	EA.	$1,500.00	AM
Earthmoving w/backhoe, rubber tire	HR	$55.00	AM
Earthmoving w/ track backhoe or dozer	HR	$125.00	AM
Earthmoving with grader	HR	$85.00	AM
Waterspreading 0-2% slope .27 cu.yd./ft	L.F.	$0.51	AM
Waterspreading 2-4% slope .34 cu.yd./ft	L.F.	$0.87	AM
Waterspreading 4-6% slope .44 cu.yd./ft	L.F.	$1.28	AM
Waterway, diversion, plug > 55 sq.ft.	CU.YD.	$1.30	AM
Waterway, diversion, plug 0-14.9 sq.ft.	L.F.	$1.00	AM
Waterway, diversion, plug 15-24.9 sq.ft.	L.F.	$1.10	AM
Waterway, diversion, plug 25-34.9 sq.ft.	L.F.	$1.40	AM
Waterway, diversion, plug 35-44.9 sq.ft.	L.F.	$2.20	AM
Waterway, diversion, plug 45-54.9 sq.ft.	L.F.	$2.70	AM
Land leveling	CU.YD.	$1.74	AM
Landshaping	CU.YD.	$1.00	AM
Terraces	L.F.	$1.40	AM

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE [1]
Erosion blanket			
Coconut fiber installed	SQ.YD	$2.01	AM
Nylon fiber installed	SQ.YD.	$4.86	AM
Small grain straw installed	SQ.YD.	$2.10	AM
Wood fiber installed	SQ.YD.	$2.50	AM
Mulching and erosion control netting	SQ.YD.	$1.50	AM
Mulching and mechanical anchoring	AC.	$400.00	AM
Silt Fence	L.F.	$0.34	AM
Fence			
*Fences **NOT ELIGIBLE** for cost-share:* *- To keep livestock within the boundaries of a prescribed grazing system(s), range unit, allotment, grazing area, Tribal grazing unit, etc.* *- Along federal, state, county, Tribal, and township roads.* *- To separate cropland from rangeland or pastureland.* *- Feedlot perimeter fencing. Exceptions will be considered on a case-by-case basis ONLY when a feedlot is being moved to an entirely new location to promote water quality improvement.* *Fences **ELIGIBLE** for cost-share:* *- Control the movement of cattle within a prescribed grazing system, range unit, allotment, grazing area, Tribal grazing unit, etc., (cross fences) regardless of ownership.* *- Protect other conservation practices (trees, seedings, ponds, etc.,) from livestock grazing regardless of ownership provided that the livestock being excluded are from the unit under contract, and fences are not along a road as defined above.* *- Lanes required to rotate cattle between pastures within a prescribed grazing system provided they are not adjacent to a road as defined above and are inside the boundary of the grazing system, range unit, allotment, grazing area, Tribal grazing unit, etc.* *- To protect holding ponds, debris basins, or other required structures of an animal waste management system.* *- To protect culturally or socially sensitive areas from livestock use.*			
1-Wire electric	L.F.	$0.33	AM
2-Wire electric	L.F.	$0.37	AM
3-Wire electric	L.F.	$0.42	AM
4-Wire electric	L.F.	$0.47	AM
5-Wire electric	L.F.	$0.52	AM
Portable fence for intensive grazing mgt.	L.F.	$0.12	AM
Single wire portable poly-wire fence. Eligible cost-share determined by the circumference of the largest temporary paddock (if temporary fencing surrounds paddock) or by the longest single reach required multiplied by two (if temporary fencing occurs on only two sides of a paddock).			
Electric fence energizers	EA.	$500.00	AM
Includes ground rods(s), lightning arrestors, and appurtenances. Must meet SD Standard 382-Fence. Limit of one per contract.			
26" Woven wire w/2 barbed wires	L.F.	$0.82	AM
32" Woven wire w/1 barbed wire	L.F.	$1.03	AM
48" Woven wire w/2 barbed wire	L.F.	$1.23	AM
3-Barbed wire	L.F.	$0.70	AM
4-Barbed wire	L.F.	$0.75	AM
5-Barbed wire	L.F.	$0.80	AM
6 or more barbed wire	L.F.	$0.85	AM
Chain link	L.F.	$10.00	AM
*Corner, direction chg. & pull post assembly	EA.	$91.00	AM
*Gate assembly	EA.	$144.00	AM
[*] For specialty fences only; ag waste, tree sites, etc. All other fences have these items included in the cost.			
Suspension fence 4-wire minimum	L.F.	$0.49	AM

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE [1]
Grazinglands Mechanical Treatment			
Contour furrow, renovation, pitting	AC.	$12.00	AM
Deep chiseling	AC.	$20.00	AM
Prescribed Burning			
Prescribed Burning	AC.	$8.50	AC
[*] NOTE - Only employees that have met minimum training requirements may provide technical assistance. Refer to South Dakota policy on prescribed burning located in the National Range and Pasture Handbook (NRPH).			
Grass Seeding			
Introduced/Native Grass Mix	AC.	$80.00	AM
Includes introduced grass species, introduced grass/legume mixtures, and introduced/native grass/legume mixtures. Price includes seedbed preparation (mechanical and/or chemical), cost of seed, and seeding operation.			
Native Grass Mix	AC.	$120.00	AM
The price for Introduced/Native Grass Mix and Native Grass Mix may be increased for Critical Area Plantings (342) by 50 percent. Follow seed selection and specifications outlined in Critical Area Planting (342) Standard and Range Technical Note No. 4.			
Native Grass/Native Forb Mix	AC.	$160.00	AM
Restoration of Tall Grass Prairie	AC.	$260.00	AM
Includes only native grass/legume mixtures. Price includes seedbed preparation (mechanical and/or chemical), seed, and seeding operation.			
Temporary Cover for Erosion Control	AC.	$40.00	AM
For establishment of a temporary cover for erosion control purposes in preparation of a new grass seeding. Price includes chemical and/or mechanical operations for seedbed preparation, cost of seed, and seeding operation.			
Weed Control	AC.	$8.00	AC
Weed Control - Chemical	AC.	$20.00	AM
Irrigation			

Pipe cost - Including installation and needed appurtenances - AM

Pipe Size	Alfalfa Valve	PVC Pipe	Flow Meter	PVC Vent Standpipe	Steel Dogleg W/Thrust Block	PVC Dogleg W/Thrust Block
6" dia.		$2.75	$850.00	$90.00	$416.00	$90.00
8" dia.	$400.00	$3.70	$900.00	$120.00	$554.67	$120.00
10" dia.	$460.00	$5.00	$1,066.67	$150.00	$693.33	$150.00
12" dia.	$565.00	$10.00	$1,280.00	$180.00	$832.00	$180.00
15" dia.	$600.00	$12.00	$1,600.00	$225.00	$1,040.00	$225.00
18" dia.		$17.35	$1,920.00	$270.00	$1,248.00	$270.00
21" dia.		$23.25	$2,240.00	$315.00	$1,456.00	$315.00
**All costs reflect AM cost-share.*						

Air vacuum valve	EA.	$540.00	AM
Drain	EA.	$180.00	AM
Inlet structure	EA.	$500.00	AM
Outlet structure	EA.	$150.00	AM
Pressure control valve	EA.	$560.00	AM
Pumpout	EA.	$470.00	AM
Trash rack	EA.	$162.50	AM

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE [1]
Lining & sealing			
Bentonite	TON	$200.00	AM
Butyl rubber	SQ.FT.	$0.30	AM
Gleization	SQ.FT.	$0.06	AM
Plastic membrane	SQ.FT.	$0.40	AM
Soda ash or similar material	TON	$238.00	AM
Obstruction removal			
Obstruction removal	JOB	$1,000.00	AM
Obstruction removal	HR	$120.00	AM
Pipe - Principal Spillways & Drain Pipes			

Pipe cost - Including installation and fittings (AM cost-share type)

Pipe Size	Galvanized Steel W/Vinyl Coating	Galvanized Steel	Corrugated Aluminum	Corrugated PE Plastic/Single Wall	Corrugated PE Plastic Smooth Lined	Plastic PVC
4" dia.						$11.00
6" dia.						$12.00
8" dia.						$15.00
10" dia.						$19.00
12" dia.	$33.00	$30.00	$30.00	$11.25	$33.00	$25.80
15" dia.	$41.25	$37.50	$37.50	$14.06	$41.25	$32.25
18" dia.	$49.50	$45.00	$45.00	$16.88	$49.50	$38.70
21" dia.	$57.75	$52.50	$52.50	$19.69	$57.75	$45.15
24" dia.	$66.00	$60.00	$60.00	$22.50	$66.00	$57.00
30" dia.	$82.50	$75.00	$75.00		$82.50	$64.50
36" dia.	$135.00	$135.00	$90.00		$135.00	
42" dia.	$157.50	$157.50	$105.00			
48" dia.	$180.00	$180.00	$120.00			

Butyl rubber diaphragm	EA.	$250.00	AM
Cathodic protection - magnesium anodes	LB.	$9.00	AM
Tile outlets 4-12" diameter	L.F.	$5.00	AM
Tile riser	EA.	$60.00	AM
Principal spillway riser	LF/FT Dia	$50.00	AM
Trash screen for sediment basin drain	EA.	$400.00	AM
Pumping Plant			
Pumping plant	EA.	$3,000	AM

Includes pump, pressure tank, appurtenances, and well pit. Power units <u>may</u> be cost-share (depending on program) under Alternative Pumping Plant Power Source. The cost of installing electric or gas lines to operate the facility is not eligible for cost-share. One time cost-share, all maintenance, and replacement costs are the responsibility of producer.

Alternative Pumping Plant Power Source	EA.	$ 5,000.00	AM

Includes solar panels, windmills, propane generators, etc. Must be installed to manufacturers guidelines on new wells only. One time cost-share, all maintenance and replacement costs are the responsibility of producer.
NOTE: Refer to specific program rules for cost-share eligibility.

*Permanently installed pump	Ea.	$10,000	AM
*High performance pump	Ea.	$14,000	AM

If the pump is an integral part of the animal waste management system. Does not include the cost of supplying or connecting electricity to the pump.

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE [1]
Pipeline			
Plastic pipe (above ground installation)	L.F.	$0.40	AM
Price includes the cost of pipe, installation, and any needed appurtenances.			
1" Diameter galvanized steel pipe	L.F.	$1.75	AM
1" High density PE pipe	L.F.	$1.50	AM
1 1/4" High density PE pipe	L.F.	$1.50	AM
1 1/2" High density PE pipe	L.F.	$1.60	AM
2" High density PE pipe	L.F.	$1.60	AM
1" Plastic pipe	L.F.	$1.45	AM
1 1/4" Plastic pipe	L.F.	$1.52	AM
1 1/2" Plastic pipe	L.F.	$1.71	AM
2" Plastic pipe	L.F.	$1.95	AM
2 1/2" Plastic pipe	L.F.	$2.24	AM
3" Plastic pipe	L.F.	$2.82	AM
Price includes the cost of pipe, installation, and any needed appurtenances. Assumes an installation cost in normal soil at six foot depth. If pipeline is installed in rock or fractured rock, an additional item may be added to cover additional costs (see below).			
Installation - fractured rock, per lf depth	L.F./ FT.	$0.25	AM
Installation - rock, per lf depth	L.F./ FT.	$1.13	AM
Pipeline installation component to be used over and above the cost of normal soil installation costs (see above).			
Horizontal Bore	L.F.	$16.00	AM
Hookup on community water system	EA.	$2,000.00	AM
[*] Includes service connection, mobilization, pit, meter box, etc., and appurtenances. Does not include components such as pipeline to or from the site, meters, etc., if land owner or operator does not retain ownership and maintenance responsibilities.			
Manhole and appurtenances	EA.	$500.00	AM
Soil to mound over pipe	CU.YD.	$0.84	AM
Rock & gravel			
Crushed rock or gravel	CU.YD.	$40.00	AM
Drain fill materials	CU.YD.	$70.00	AM
Filter cloth	SQ.YD.	$2.00	AM
Rock riprap	CU.YD.	$50.00	AM
Rockfilled wire baskets	CU.YD.	$145.00	AM
Livestock Crossing	SQ.FT.	$2.00	AM
Springs			
Developing springs and seeps	EA.	$3,500.00	AM
Tank or trough			
Freeze-proof tank with base	GAL.	$2.50	AM
Steel rim flexible bottom with base	GAL.	$0.40	AM
Standard tank installation with base	GAL.	$1.25	AM
Nose pump	EA.	$500.00	AM
Use standard 533 - Pumping Plant for Water Control			

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE [1]

Tile

Tile Size	Perforated To Nonperforated	Tile Removal Greater Than $500
4" dia.	$2.00	$1.50
5" dia.	$2.20	$1.50
6" dia.	$2.75	$1.60
8" dia.	$3.10	$1.70
10" dia.	$4.50	$1.80
12" dia.	$6.00	$2.00
All costs reflect AM cost-share.		

Tile removal < $500	JOB	$500.00	AM

Structure - Including materials and labor

Timber structure	EA.	$2,000.00	AM
Sheet Piling	SQ.FT.	$25.00	AM

Trees

Land prep - non-tilled areas, chemical	AC.	$38.00	AM
Land prep - non-tilled areas, mechanical	AC.	$34.00	AC
Bare-root tree or shrub and planting	EA.	$1.50	AM
Container grown trees, shrubs & planting	EA.	$2.00	AM
Container grown trees, shrubs and planting	ROD	$5.00	AM
Drip watering system for conifers	L.F.	$0.30	AM
Fabric weed barrier	L.F.	$0.50	AA
Renovation, sod control, chem & mech.	AC.	$160.00	AM
Renovation-tree removal	AC.	$1,250.00	AM
Scalp planting	ROD	$4.00	AM
Shrubs and planting	ROD	$3.50	AA
Trees and planting	ROD	$3.00	AA
Weed Control - Chemical	AC.	$90.00	AM
Weed Control - Mechanical	AC.	$180.00	AC

Payments on an annual basis up to a maximum of three years. Mechanical weed control includes between and within row cultivation. If chemical and mechanical weed control is performed, payment will be based on the within row operation.

Fabricated Windbreak

Fabricated Windbreak	L.F.	$20.00	AM

Forest

Improving a stand of forest trees	AC.	$154.00	AM
Site preparation for natural reproduction	AC.	$150.00	AM

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE [1]

Water control

Pipe Size	Hand Wheel Or Hoist operated Gate	High Pressure In-line Gate Valve	Inclined Slide Gate Valve	Small Hand Operated Lift Or Slide
8" dia.				
10" dia.				
12" dia.	$530.00	$720.00	$530.00	$100.00
15" dia.	$662.50	$900.00	$662.50	$125.00
18" dia.	$795.06	$1,080.00	$795.00	$150.00
21" dia.	$927.50	$1,260.00	$927.50	$175.00
24" dia.	$1,060.00	$1,440.00	$1,060.00	$200.00
30" dia.	$1,325.10	$1,800.00		$250.00
36" dia.	$1,590.00	$2,160.00		
42" dia.	$1,855.00			
48" dia.	$2,120.00			

All costs reflect AM cost-share. Cost-share rate program dependent.

Gate stem, hand wheel & couplings	L.F.	$8.50	AM
Oil filled stem	L.F.	$12.50	AM
Parshall flume, steel w/o concrete	EA.	$860.00	AM
Weir boxes (hardware & gauge)	EA.	$200.00	AM

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE [1]

Waste management system

- *Waste management systems are eligible for cost-share on existing or new Animal Feeding Operations (AFO).*

- *Only the components of the overall waste management system required for the proper collection, storage, transport, treatment, and utilization of the waste materials will be eligible for cost-share. These will include practices needed for the diversion of clean water around the system, manure settling basins, waste storage facilities, fencing for the protection of these settling and storage facilities, and permanently installed equipment or facilities needed to transport manure to holding ponds or other storage facilities.*

- *When a feedlot is being moved to an entirely new location to promote water quality improvement., cost-share will be limited to the waste management system structures and components. However, exceptions may be considered on a case-by-case basis with concurrence of the NRCS engineer and local district conservationist with prior approval of the SCE. Examples include; perimeter fencing around the entire facility, components to deliver water up to (but not including) livestock watering facilities, shelterbelt establishment, and temporary wind shelters for livestock protection until shelterbelts are permanently established.* ***NOTE:*** *When relocating a facility, the producer must agree to completely abandon all livestock feedlot type activities at the existing facility.*

Total Cost of the System			
Less than $15,000	System	$15,000	AM
$15,001 - $30,000	System	$30,000	AM
$30,001 - $45,000	System	$45,000	AM
$45,001 - $60,000	System	$60,000	AM
$60,001 to $75,000	System	$75,000	AM
$75,001 to $100,000	System	$100,000	AM

The above price range may be used for contract development when the waste management system design will be completed at a later time.* ***NOTE:* *When the design is complete, the contract will be modified with an itemized list of cost-share components to more accurately reflect construction costs. All cost-share payments will be based on actual costs incurred on a component basis.*

Greater than $100,000	N/A	N/A	N/A

Contracts on systems with total costs greater than $100,000 will be based on an itemized cost estimate from a completed engineering design. Components defined within this cost list will be used.

Manure Pump Pit	Ea.	$2,200.00	AM
Subsurface Investigation - Deep Soil Boring	Ea.	$1,300.00	AM
PVC Gutter Installation	Ea.	$200.00	AM
PVC Gutter	LF.	$10.00	AM
Inline Manure Gate Valve - 6"	Ea.	$550.00	AM
Inline Manure Gate Valve - 8"	Ea.	$615.00	AM
Inline Manure Gate Valve - 12"	Ea.	$1,300.00	AM
Manure line riser - cleanout	Ea.	$1,000.00	AM
Miscellaneous	JOB	$500.00	AM

To be used only for waste management systems. Includes signs, permanent markers, and small items not included in the cost list.

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE [1]
Wells			
Steel casing under 3" in diameter	L.F.	$12.00	AM
4" to 12" Diameter steel casing	L.F.	$26.80	AM
Deep aquifer well, 6" or more dia. steel casing	L.F.	$70.00	AM
See Cost List Introduction on Page 2 for additional information concerning this component.			
Copper casing 1.5" in diameter	L.F.	$12.00	AM
Copper casing 2" diameter	L.F.	$18.50	AM
Plastic casing - 2" to 3.5" dia.	L.F.	$10.00	AM
4" to 5" Surface casing	L.F.	$20.18	AM
6" Surface casing	L.F.	$25.00	AM
Larger than 12" diameter (ordinary well)	L.F.	$60.00	AM
Well plugging - Shallow aquifer	JOB	$300.00	AM
Well plugging - Artesian	JOB	$900.00	AM
Wetland Restoration			
Earthmoving for wetland restoration	CU.YD.	$2.18	AM
Ditch plug	EA.	$250.00	AM
Contractor mobilization	EA.	$200.00	AM
One time contractor set up charge per operator.			
Seeding operation - Hand plugs	EA.	$0.20	AM

[1] *COST-SHARE TYPES:*

AM *- Actual cost not to exceed a specified maximum*

FR *- Flat rate*

AC *- Average cost*

AA *- Actual cost on to exceed average cost*